

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): An optical pick-up device comprising:

a first light emitting element for emitting first light beams having a first wavelength;
a second light emitting element for emitting second light beams having a second wavelength;

a third light emitting element for emitting third light beams having a third wavelength;

a first optical system including a first object lens, and serving to converge, by the first object lens, ~~either one of the first, second, or third light beams which have been~~ emitted from the first, second, or ~~to~~ third light emitting ~~elements~~ element to irradiate the light beams thus converged by the first object lens onto ~~the~~ an optical disc;

a second optical system including a second object lens, and serving to converge, by the second object lens, ~~either one of the first, second, or third light beams which have been~~ emitted from the first, second, or ~~to~~ third light emitting ~~elements~~ element to ~~allow~~ irradiate the light beams thus converged by the second object lens ~~to be incident on~~ onto the optical disc;

an object lens drive unit including a bobbin ~~for holding~~ that holds the first and second object lenses, and ~~serving~~ serves to allow the bobbin to undergo drive displacement in ~~three axes directions of~~ a focusing direction ~~which is a direction~~ perpendicular to the recording surface of the optical disc, a tracking direction which is a substantially radial direction of the optical disc, and ~~either one of~~ a radial tilt direction in which movement is performed in a circular arc form on the axis of the radial direction and a tangential tilt direction in which movement is performed in a circular arc form on the axis of a tangential direction which is a direction perpendicular to the radial direction; and

aberration correcting means for correcting comatic aberration of the second optical system relatively taking place with respect to the first optical system ~~in which comatic aberration in one of the other direction of the~~ radial tilt direction and the tangential tilt direction, which is not controlled by the object lens drive unit, ~~is corrected, and the aberration correcting means is arranged in an optical path of the second optical system between one of the first, second, or third light emitting element and the second optical system and out of an optical path of the first optical system.~~

Claim 2 (Currently Amended): The optical pick-up device according to claim 1, wherein the ~~comatic~~ aberration correcting means corrects comatic aberration by changing a refractive index of a region intersecting a path of one of the first, second, or third light beams transmitted therethrough.

Claim 3 (Original): The optical pick-up device according to claim 1, wherein the first wavelength is about 405 nm, the second wavelength is about 660 nm, and the third wavelength is about 785 nm.

Claim 4 (Original): The optical pick-up device according to claim 3, wherein light beams having the first wavelength are incident on the first object lens, and light beams having the second and third wavelengths are incident on the second object lens.

Claim 5 (Original): The optical pick-up device according to claim 1, wherein the first and second object lenses are held at the bobbin in the state arranged in the tangential direction.

Claim 6 (Currently Amended): The optical pick-up device according to claim 1,
wherein the aberration correcting means ~~is~~ includes a liquid crystal correcting device.

Claim 7 (Currently Amended): An optical disc apparatus comprising[[:]]:
disc rotational operation means for performing rotational operation of an optical disc;
and

an optical pick-up device ~~for scanning~~ configured to scan, by light beams, the signal
recording surface of ~~the~~ an optical disc operated by the disc ~~rotation~~ rotational operation
means to perform recording or reproduction of information,

the optical pick-up device comprising:

a first light emitting element for emitting first light beams having a first wavelength,
a second light emitting element for emitting second light beams having a second
wavelength,

a third light emitting element for emitting third light beams having a third wavelength,
a first optical system including a first object lens, and serving to converge, by the first
object lens, ~~either one of the first, second, or third~~ either one of the first, second, or third light beams ~~which have been~~ emitted from
the first, second, or ~~to~~ third light emitting ~~elements~~ element to irradiate the light beams ~~thus~~
converged by the first object lens onto the optical disc,

a second optical system including a second object lens, and serving to converge, by
the second object lens, ~~either one of the first, second, or third~~ either one of the first, second, or third light beams ~~which have been~~
emitted from the first, second, or ~~to~~ third light emitting ~~elements~~ element to ~~allow~~ irradiate
the light beams ~~thus~~ converged by the second object lens ~~to be incident on~~ onto the optical
disc,

an object lens drive unit including a bobbin ~~for holding~~ that holds the first and second object lenses, and ~~serving~~ serves to allow the bobbin to undergo drive displacement in ~~three axes directions of~~ a focusing direction ~~which is a direction~~ perpendicular to the recording surface of the optical disc, a tracking direction which is a substantially radial direction of the optical disc, and either one of a radial tilt direction in which movement is performed in a circular arc form on the axis in the radial direction and a tangential tilt direction in which movement is performed in a circular arc form on the axis of a tangential direction which is a direction perpendicular to the radial direction, and

aberration correcting means for correcting comatic aberration of the second optical system relatively taking place with respect to the first optical system ~~in which comatic aberration in one of the other direction of the~~ radial tilt direction and the tangential tilt direction, which is not controlled by the object lens drive unit, ~~is corrected,~~ and the aberration correcting means is arranged in an optical path of the second optical system between one of the first, second, or third light emitting element and the second optical system and out of an optical path of the first optical system.

Claim 8 (Currently Amended): The optical disc apparatus according to claim 7, wherein the ~~comatic~~ aberration correcting means changes a refractive index of a region intersecting a path of one of the first, second, or third light beams transmitted therethrough to thereby correct comatic aberration.

Claim 9 (Original): The optical disc apparatus according to claim 7, wherein the first wavelength is about 405 nm, the second wavelength is about 660 nm, and the third wavelength is about 785 nm.

Claim 10 (Original): The optical disc apparatus according to claim 9,
wherein light beams having the wavelength are incident on the first object lens, and
light beams having the second and third wavelengths are incident on the second object lens.

Claim 11 (Original): The optical disc apparatus according to claim 7,
wherein the first and second object lenses are held on the bobbin in the state arranged
in the tangential direction.

Claim 12 (Currently Amended): The optical disc apparatus according to claim 7,
wherein the aberration correcting means ~~is~~ includes a liquid crystal correcting device.

Claim 13 (Currently Amended): A method of controlling an optical pick-up device,
the optical pick-up device comprising:
~~a first light emitting element for emitting~~ first light beams having a first wavelength
from a first light emitting element;
~~a second light emitting element for emitting~~ second light beams having a second
wavelength from a second light emitting element;
~~a third light emitting element for emitting~~ third light beams having a third wavelength
from a third light emitting element;
~~a first optical system including a first object lens, and serving to converge~~ converging,
by a first optical system including the first object lens, either one of the first, second, or third
emitted light beams ~~which have been~~ emitted from the first, second, or ~~to~~ third light emitting
~~elements~~ element to irradiate the light beams ~~thus converged~~ by the first object lens onto an
optical disc;

~~a second optical system including a second object lens, and serving to converge~~
converging, by a second optical system including the second object lens, either one of the
first, second, or third emitted light beams which have been emitted from the first, second, or
to third light emitting elements element to allow the light beams thus converged by the
second object lens to be incident on onto the optical disc;

~~an object lens drive unit including a bobbin for holding the first and second object~~
lenses in an object lens drive unit including a bobbin, and serving to allow controlling the
bobbin to undergo drive displacement in three axes directions of a focusing direction which is
a direction perpendicular to the recording surface of the optical disc, a tracking direction
which is a substantially radial direction of the optical disc, and either one of a radial tilt
direction in which movement is performed in a circular arc form on the axis in the radial
direction and a tangential tilt direction in which movement is performed in a circular arc form
on the axis in a tangential direction which is a direction perpendicular to the radial direction;
and

~~aberration correcting means for correcting, using a device arranged in an optical path~~
of the second optical system between one of the first, second, or third light emitting element
and the second optical system and out of an optical path of the first optical system, comatic
aberration of the second optical system relatively taking place with respect to the first optical
system in which comatic aberration in the other direction one of the radial tilt direction and
the tangential tilt direction, which is not controlled by the object lens drive unit, is corrected,

~~the control method comprising:~~

~~allowing the bobbin to undergo drive displacement on the basis of control signals in~~
~~the focus direction and in the tracking direction, and a control signal in either one direction of~~
~~the radial tilt direction and the tangential tilt direction to control positions and attitudes with~~

~~respect to the optical disc of the first and second object lenses which have been held on the bobbin; and~~

~~correcting comatic aberration of the second optical system by the aberration correcting means.~~

Claim 14 (Currently Amended): The control method for optical pick-up device according to claim 13,

wherein the aberration correcting means is includes a liquid crystal correcting device, and serves to apply a voltage to the liquid crystal correcting device to control refractive index to correct comatic aberration.